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**Publisher:** ACM PressFull text available: [pdf\(247.76 KB\)](#) Additional Information: [full citation](#), [index terms](#)**6** Increasing access to information for the print disabled through electronic documents in SGML 

B. Bauwens, J. Engelen, F. Evenepoel, C. Tobin, T. Wesley

October 1994 **Proceedings of the first annual ACM conference on Assistive technologies Assets '94****Publisher:** ACM PressFull text available: [pdf\(618.71 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

There is a growing conviction that the Standard Generalized Markup Language, SGML, can play an important role as an enabling technology to increase access to information for blind and partially sighted people. This paper reports on mechanisms that have been devised to build in accessibility into SGML encoded electronic documents, concentrating on the work done in the CAPS Consortium—Communication and Access to Information for People with Special Needs, a European Union funded project ...

**7** Document reuse and semantics: Towards a semantics for XML markup 

Allen Renear, David Dubin, C. M. Sperberg-McQueen

November 2002 **Proceedings of the 2002 ACM symposium on Document engineering DocEng '02****Publisher:** ACM PressFull text available: [pdf\(72.89 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Although XML Document Type Definitions provide a mechanism for specifying, in machine-readable form, the syntax of an XML markup language, there is no comparable mechanism for specifying the *semantics* of an XML vocabulary. That is, there is no way to characterize the meaning of XML markup so that the facts and relationships represented by the occurrence of XML constructs can be explicitly, comprehensively, and mechanically identified. This has serious practical and theoretical consequence ...

**Keywords:** SGML, XML, knowledge representation, markup, semantics**8** SSQL: a semi-structured query language for SGML document retrievals 

Lin-Ju Yeh, Hsiu-Hsen Yao, Yuan-Kuo Chen

October 1996 **Proceedings of the 14th annual international conference on Systems documentation: Marshaling new technological forces: building a corporate, academic, and user-oriented triangle SIGDOC '96****Publisher:** ACM PressFull text available: [pdf\(575.93 KB\)](#) Additional Information: [full citation](#), [citations](#), [index terms](#)**9** Using SGML as a basis for data-intensive NLP

David McKelvie, Chris Brew, Henry Thompson

March 1997 **Proceedings of the fifth conference on Applied natural language processing****Publisher:** Morgan Kaufmann Publishers Inc.Full text available: [pdf\(792.46 KB\)](#)[Publisher Site](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

This paper describes the LT NSL system (McKelvie et al, 1996), an architecture for writing corpus processing tools. This system is then compared with two other systems which address similar issues, the GATE system (Cunningham et al, 1995) and the IMS Corpus Workbench (Christ, 1994). In particular we address the advantages and disadvantages of an SGML approach compared with a non-SGML database approach.

10 SST: using single-sourcing, SGML, and teamwork for documentation



Carl Stieren

October 1999 **Proceedings of the 17th annual international conference on Computer documentation SIGDOC '99**

**Publisher:** ACM Press

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Suppose you don't have a fancy database-driven system to generate your documentation. How can you develop single-source documentation for output in multiple formats, without having to store your source in a specific format that will soon become obsolete? The answer is to use a combination of your own SGML or XML tags to mark up your documentation and a simple OmniMark® program to create each output format and presentation style. There's also a third ingredient: teamwork. As much as any ...

**Keywords:** HTML, SGML, XML, print, single-source, teamwork

11 Infrastructure management as cooperative work: implications for systems design



Robert J. Sandusky

November 1997 **Proceedings of the international ACM SIGGROUP conference on Supporting group work: the integration challenge GROUP '97**

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**Keywords:** CSCW, boundary objects, communities of practice, distributed supervisory control, information compounds, real-time supervisory control

12 Evolution of an SGML application generator



Lynne A. Price, Joe Schneider

January 2000 **Proceedings of the ACM conference on Document processing systems DOCPROCS '88**

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13 Text-hypertext mutual conversion and hypertext interchange through SGML



Min Zheng, Roy Rada

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**documentation: emerging from chaos: solutions for the growing complexity of our jobs SIGDOC '95****Publisher:** ACM PressFull text available: [pdf\(717.09 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)**15** XML: not a silver bullet, but a great pipe wrench

Tommie Usdin, Tony Graham

September 1998 **StandardView**, Volume 6 Issue 3**Publisher:** ACM PressFull text available: [pdf\(86.79 KB\)](#) Additional Information: [full citation](#), [citations](#), [index terms](#), [review](#)**16** Structured document storage and refined declarative and navigational access mechanisms in HyperStorM

Klemens Böhm, Karl Aberer, Erich J. Neuhold, Xiaoya Yang

November 1997 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 6 Issue 4**Publisher:** Springer-Verlag New York, Inc.Full text available: [pdf\(184.18 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

The combination of SGML and database technology allows to refine both declarative and navigational access mechanisms for structured document collection: with regard to declarative access, the user can formulate complex information needs without knowing a query language, the respective document type definition (DTD) or the underlying modelling. Navigational access is eased by hyperlink-rendition mechanisms going beyond plain link-integrity checking. With our approach, the database-internal repres ...

**Keywords:** Document query languages, Navigation, OODBMSs, SGML**17** A new tool for SGML with applications for the World Wide Web

R. W. Matzen, G. E. Hedrick

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John Aberdeen, John Burger, Dennis Connolly, Susan Roberts, Marc Vilain

June 1992 **Proceedings of the 4th conference on Message understanding MUC4 '92****Publisher:** Association for Computational LinguisticsFull text available: [pdf\(566.09 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

The ALEMBIC text understanding system fielded at MUC-4 by MITRE-Bedford is primarily based on natural language techniques. ALEMBIC is a research prototype that is intended to explore several major areas of investigation: • Error recovery, involving primarily issues of semi-parsing and recovery of plausible attachments. • Robustness, involving primarily issues of uncertain reasoning and tractable inference. • Self-extensibility, focusing

primarily on machine learning of natural langua ...

19 Computational linguistics: Fax: an alternative to SGML

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## Structured document handling—a case for integrating databases and information retrieval

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### ↑ ABSTRACT

In this paper we discuss the structured multimedia documents that will be, or already are, to some degree the communication backbone of the so-called superhighways. It will be shown that storage and retrieval of such documents will best be handled by an integration of database and information retrieval technologies. We assume documents to be structured with the help of standards like SGML/HyTime and represented by the multitude of formats currently used for multimedia data. Starting with an approach based on object-oriented database technology we extend both their functionality on the cost models for query evaluation on one side with multimedia features and on the other with logic-based models of information retrieval to truly combine structure and content information about the documents in question.

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### Additional Classification:

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↳ H.2.1 Logical Design

↳ **Subjects:** Data models

↳ H.5 INFORMATION INTERFACES AND PRESENTATION (I.7)

I. Computing Methodologies

↳ I.7 DOCUMENT AND TEXT PROCESSING

### General Terms:

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